EMAD FARAG HOZAYEN

ERPNext & Frappe Developer | Python / Software Engineer | IT Specialist

01281985856 it3omda@gmail.com

Alexandria, Egypt linkedin.com/in/Emad-Farag

Scan to view the CV (PDF)

PROFESSIONAL SUMMARY

Results-driven ERPNext & Frappe Developer and Software Engineer with 7+ years of experience designing, implementing, and customizing ERP and web-based software solutions across real estate, food manufacturing, electricity distribution, and trading industries. Strong background in Python backend development, object-oriented design, REST API integration, and full-stack web development. Skilled in translating business requirements into scalable, maintainable software, and in delivering end-user training and long-term system reliability.

WORK EXPERIENCE

Jun 2025 Present

ERPNext | Frappe Developer | Python Developer

Nufouth AlTatweer for Real Estate – KSA (Part-Time - Remotly)

- Design, develop, and customize ERPNext applications using the Frappe Framework for real estate workflows.
- Create and manage DocTypes, Custom Scripts, Workflows, and Reports for Properties, Units, and Listings.
- Develop backend logic using Python and Frappe APIs to automate business processes.
- Build and enhance frontend features using JavaScript and Frappe UI tools.
- Integrate ERPNext with third-party systems and external APIs to extend platform capabilities.
- Develop and customize website pages using Frappe Website tools with dynamic ERPNext-linked content.
- Design responsive UI/UX for client-facing web pages showcasing property listings.
- Optimize website performance, page speed, and SEO for better online presence.
- Implement custom templates and web views beyond default Frappe design standards.
- Build a Parking Management module linking parking spots to properties and units, with allocation tied to contracts.
- Develop a Service Contracts module to manage owner/tenant agreements, automatically generating journal entries, owner/tenant payment and receipt vouchers, and VAT-compliant invoices linked to the relevant property.
- Create a Maintenance module for units and properties, tracking requests and their financial impact on owners and tenants.
- Build a Quotations module for maintenance and service pricing, linked to contracts and properties.
- Diagnose and resolve system issues, bugs, and performance bottlenecks.
- Provide technical support and hands-on training to end users across departments.
- Perform system updates, patches, and continuous improvements; document all customizations.

Key Skills: Frappe Framework · ERPNext · Python · JavaScript · DocTypes · Workflows · REST API · Frappe Website · UI/UX · SEO

Dec 2023 Present

ERPNext Developer | Python Developer | IT Specialist

Alexandria Electricity Distribution Company (AEDC) – Alexandria (Full–Time – On-Site)

- Led ERPNext implementation for IT asset and maintenance management across the company.
- Developed custom DocTypes and workflows for equipment specification tracking and service scheduling.
- Built the IT Management App on ERPNext to centralize asset lifecycle and maintenance operations.
- Provided technical support, system administration, and infrastructure management.

Key Skills: ERPNext · Python · Frappe · Asset Management · IT Infrastructure · Custom DocTypes

Aug 2022 Dec 2023

IT Specialist | ERPNext Developer | ERPNext Implementation Specialist

Bait Food & NewAWA for Chemical Raw Materials – Alexandria (Full-Time - On-Site)

- Implemented and customized ERPNext for multi-company and multi-branch operations.
- Developed a cloud-based Point of Sale (POS) system with SaaS platform support across branches.

- Managed IT infrastructure, network equipment, firewalls, and server environments.

Key Skills: ERPNext · POS · SaaS · Frappe · IT Infrastructure · Multi-branch Setup

Feb 2020 – Aug 2022

IT Specialist | MS Access DB Developer | WordPress Developer | GPS Specialist

Borg El Arab for Integrated Food Industries (Bait Food) – Aelxandria (Full-Time – On-Site)

- Designed and deployed full ERPNext system covering Accounting, Purchasing, Inventory, and Sales.
- Built After Sales Service module with visit reports and technical payroll management.
- Developed Overtime App for HR Module integrated with biometric fingerprint attendance.
- Created Stock, Accounting, Competitors, and CRM databases using MS Access.
- Integrated Egyptian E-Invoice App with ETA authority via Python and ERPNext APIs.
- Developed bilingual (AR/EN) company website using WordPress.
- Received Employee of the Month award multiple times based on departmental KPIs.

Key Skills: ERPNext · Python · MS Access · WordPress · GPS · E-Invoice ETA API · HR Automation · Inventory

Aug 2017 – Feb 2020

IT Help Desk | GPS Specialist | Data Entry

El-Ola for Trading Steel and Cement – Alexandria (Full-Time)

- Managed GPS fleet tracking systems and generated location-based reports for logistics optimization.
- Provided IT helpdesk support and maintained accurate data records for trading operations.

Key Skills: GPS Fleet Tracking · IT Help Desk · Data Entry · Logistics Reporting

Jul 2016 – Jul 2017

Software and Hardware Support Technician

Control Center for Computer Maintenance – Alexandria (Full-Time)

- Diagnosed and repaired hardware and software issues for client computers and peripherals.
- Provided on-site technical support and preventive maintenance services.

Key Skills: Hardware Repair · Software Troubleshooting · Computer Maintenance · Technical Support

EDUCATION

2014

Bachelor of Science – Management Information Systems

High Institute for Computer and Information Systems (Abu Qir)

Grade: Good (74.02%)

2009

Diploma in Electrical Engineering (Five-Year System)

Alexandria Advanced Technical School

Grade: Very Good (76.85%)

SOFTWARE ENGINEERING SKILLS

Programming & Design: Object-Oriented Programming (OOP), MVC Architecture, Design Patterns, Software Architecture, Clean Code Principles

API & Integration: RESTful API Design & Development, Third-Party API Integration, Webhooks, Microservices Concepts

Development Practices: Software Development Life Cycle (SDLC), Agile / Scrum Methodologies, Code Review, Technical Documentation

Version Control & Collaboration: Git, GitHub, Branching Strategies, Collaborative Development Workflows

Testing & Debugging: Unit Testing, Debugging, Root-Cause Analysis, Performance Optimization, Troubleshooting

Data & Databases: Database Design & Normalization, Data Modeling, SQL Query Optimization (MariaDB/MySQL)

Problem Solving: Algorithms & Data Structures, System Design Fundamentals, Analytical & Critical Thinking

TECHNICAL SKILLS

ERP Platform	ERPNext, Frappe Framework, ERPNext Implementation & Customization
Languages	Python, JavaScript, HTML, CSS, Bootstrap, SQL
Frontend	React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap
Frameworks	Frappe, Django, WordPress
Databases	MariaDB / MySQL, MS Access
DevOps & Tools	Git, Visual Studio Code, PyCharm, VMware Workstation, ESXi,Docker
Networking	Firewalls (Sophos, OPNSense, MikroTik,Fortigate), CCNA (R&S), Network Fundamentals, Cybersecurity Fundamentals, Cloud Security
OS & Servers	Windows 7/10/11, Windows Server, Ubuntu Desktop, Ubuntu Server
Design	Adobe Photoshop, Adobe Illustrator
Office	Microsoft Office 365 (Word, Excel, Access, PowerPoint)

KEY PROJECTS

- Real Estate Web Portal (Frappe Website) – Dynamic property listings linked to ERPNext for Nufouth AlTatweer.
- Parking Management System (ERPNext) – Manages parking spots for properties and units and links their allocation to tenant/owner contracts.
- Service Contracts Module (ERPNext) – Organizes owner and tenant contracts; automatically generates journal entries, receipt/payment vouchers, and VAT invoices linked to properties.
- Property & Unit Maintenance Module (ERPNext) – Manages maintenance requests for units and properties and tracks their financial impact on owners and tenants, including linked price quotations.
- IT Management App (ERPNext) – Asset & Maintenance Management System for AEDC.
- Cloud-based POS System (ERPNext) – Multi-branch, multi-company SaaS Point of Sale platform.
- Egyptian E-Invoice Integration (ERPNext) – ETA API integration using Python and ERPNext.
- Overtime HR Module (ERPNext) – Automated overtime calculation via biometric fingerprint integration.
- Bait Food Website (WordPress) – Bilingual AR/EN corporate website with product catalog.
- Nitaqat Recruitment Website – Subscription-based recruitment services platform for the KSA market.
- Stock, CRM & Accounting Databases (MS Access) – Custom multi-purpose databases for supply chain and sales.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Cybersecurity Course – Siemens
- System Administration Course – Siemens
- Build with AI: Masr Edition For Developers – Google & ITI
- Microsoft Cloud Security – Information Technology of Egypt Corporation, Egypt
- ERPNext Implementation – Variiance Online Learning (VOL)
- Frappe Developer Course – Self-Study
- Django Developer Course – Self-Study
- Python Programming Course – LinkedIn Learning
- SQL Database Language – Variiance Online Learning (VOL)
- Introduction to Cloud Computing – Variiance Online Learning (VOL)
- Technical Support Fundamentals – Google / Coursera | Credential: NXWL45ZBH6ZA
- Computer Network Fundamentals – Coursera
- Introduction to Network Security – MaharaTech / ITI MOOCA
- Introduction to Networks – MaharaTech / ITI MOOCA
- Microsoft Office 365 – Edraak
- Computer Maintenance Course – Community Development Center, Alexandria University
- CCNA Routing and Switching – Online Course
- MCSA 2012 – Online Course

LANGUAGES

- Arabic – Native
- English – Good

PERSONAL INFORMATION

Date of Birth: 24/12/1989 | Nationality: Egyptian | Gender: Male | Marital Status: Single | Military Service: Completed

CORE COMPETENCIES

Problem Solving · Team Collaboration · Creativity & Innovation · Flexibility · Hard Working · Leadership · Organized · Continuous Learning

HOBBIES & INTERESTS

Sports · Music · Continuous Learning · Reading